

IBDN Plus 25-Pair Cat5 UTP Cable

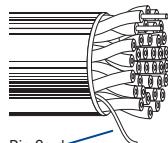
TIA/EIA-568-A, Category 5

Category 5 Nonbonded-pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω /100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • Blue PVC Jacket**

Blue, Reel	24572238	NEC:	25	1000	304.8	118.0	53.5	4.90	124.5	9.38	5.0	330	0.772	1.8	64.0	102±15	—
Blue, Reel	24572250	CMR	25	492	150.0								1.0	2.1	62.0	100±15	23
Blue,, Reel	24572260	CEC:	25	500	152.4								4.0	4.3	53.0	100±15	23
		CMR											8.0	5.9	48.0	100±15	23
													10.0	6.6	47.0	100±15	23
													16.0	8.2	44.0	100±15	23
													20.0	9.2	42.0	100±15	23
													25.0	10.5	41.0	100±15	22
													31.25	11.8	40.0	100±15	21
													62.5	17.1	35.0	100±15	18
													100.0	22.0	32.0	100±15	16



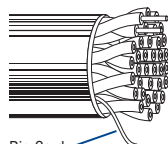
Rip Cord

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-A, Category 5

Plenum • 100% FEP Insulation • Gray Low-Smoke PVC Jacket

Gray, Reel	24572351	NEC:	25	328	100.0	118.0	53.5	4.90	124.5	9.38	5.0	330	0.772	1.8	64.0	102±15	—
Gray, Reel	24572352	CMP	25	984	300.0								1.0	2.1	62.0	100±15	23
Gray, Reel	24572353	CEC:	25	1000	304.8								4.0	4.3	53.0	100±15	23
		CMP											8.0	5.9	48.0	100±15	23
													10.0	6.6	47.0	100±15	23
													16.0	8.2	44.0	100±15	23
													20.0	9.2	42.0	100±15	23
													25.0	10.5	41.0	100±15	22
													31.25	11.8	40.0	100±15	21
													62.5	17.1	35.0	100±15	18
													100.0	22.0	32.0	100±15	16



Rip Cord

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-A, Category 5

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes:**IBDN Plus 25-Pair Cat5**

Pair No.	Tip	Ring
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Slate
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Slate
11	Black	Blue
12	Black	Orange
13	Black	Green
14	Black	Brown
15	Black	Slate
16	Yellow	Blue
17	Yellow	Orange
18	Yellow	Green
19	Yellow	Brown
20	Yellow	Slate
21	Violet	Blue
22	Violet	Orange
23	Violet	Green
24	Violet	Brown
25	Violet	Slate

Data Grade Armored Riser 25-Pair UTP Cable

TIA/EIA-568-A, Category 5

Category 5 Nonbonded-pair Cables

Description	Part No.	UL NEC/ C(UL) NEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Flame Retardant Polymer Insulation • ALVYAN Sheath • PVC Jacket**

Gray, Reel	25500027	NEC:	25	8200	2500	205.0	93.0	0.62	15.70	9.38	—	328	0.772	1.8	64.0	102±15	—
Gray, Reel	25500028	CMR	25	Cut Length													
		CEC:															
		CMR															
													1.0	2.1	62.3	100±15	23
													4.0	4.3	53.3	100±15	23
													8.0	5.9	48.8	100±15	23
													10.0	6.6	47.3	100±15	23
													16.0	8.2	44.3	100±15	23
													20.0	9.2	42.8	100±15	23
													25.0	10.5	41.3	100±15	22
													31.25	11.8	40.9	100±15	21
													62.5	17.1	35.4	100±15	18
													100.0	22.0	32.3	100±15	16



Jacket sequentially marked at 2 ft. intervals.

Featuring Descending Length Marking.

Third party verified to TIA/EIA-568-A, Category 5

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: Data Grade Riser

Pair No.	Tip	Ring
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Slate
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Slate
11	Black	Blue
12	Black	Orange
13	Black	Green
14	Black	Brown
15	Black	Slate
16	Yellow	Blue
17	Yellow	Orange
18	Yellow	Green
19	Yellow	Brown
20	Yellow	Slate
21	Violet	Blue
22	Violet	Orange
23	Violet	Green
24	Violet	Brown
25	Violet	Slate

DataTwist® 5 UTP Cable

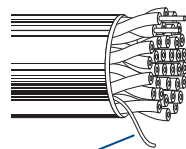
TIA/EIA-568-A, Category 5 Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Fitted Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Light Gray or Blue)

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths (Ft./m)	Standard Unit Wt. (Lbs./kg)	Nominal OD (Inch/mm)	Max. DCR (Ω/100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Fitted Input Imped. (Ω)	Min. SRL (dB)
1864A	NEC: CMR CEC: CMR FT4	25	1000 / 304.8	144.0 / 65.4	.526 / 13.36	9.38	5.0	330	1	2.0	62.3	100±15	23.0
									10	6.5	47.3	100±15	23.0
									16	8.2	44.3	100±15	23.0
									31.25	11.7	39.9	100±15	21.1
									62.5	17.0	35.4	100±15	18.0
100	22.0	32.3	100±15	16.0									

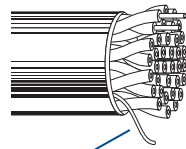


Rip Cord

Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-A, Category 5

Plenum • FEP Teflon® Insulation • FEP Jacket (Available in Blue Tint or White Tint)

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths (Ft./m)	Standard Unit Wt. (Lbs./kg)	Nominal OD (Inch/mm)	Max. DCR (Ω/100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Fitted Input Imped. (Ω)	Min. SRL (dB)
1871A	NEC: CMP CEC: CMP	25	1000 / 304.8	131.0 / 59.5	.430 / 10.92	9.38	5.0	330	1	2.0	62.3	100±15	23.0
									10	6.5	47.3	100±15	23.0
									16	8.2	44.3	100±15	23.0
									31.25	11.7	39.9	100±15	21.1
									62.5	17.0	35.4	100±15	18.0
100	22.0	32.3	100±15	16.0									



Rip Cord

Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-A, Category 5

DCR = DC Resistance • NEXT = Near-end Crosstalk • PSUM = Power Sum • SRL = Structural Return Loss • UTP = Unshielded Twisted Pair(s)

Color Codes: 1864A

Pair	Color Combination
1	White & Blue
2	White & Orange
3	White & Green
4	White & Brown
5	White & Gray
6	Red & Blue
7	Red & Orange
8	Red & Green
9	Red & Brown
10	Red & Gray
11	Black & Blue
12	Black & Orange
13	Black & Green

Pair	Color Combination
14	Black & Brown
15	Black & Gray
16	Yellow & Blue
17	Yellow & Orange
18	Yellow & Green
19	Yellow & Brown
20	Yellow & Gray
21	Purple & Blue
22	Purple & Orange
23	Purple & Green
24	Purple & Brown
25	Purple & Gray

Color Codes: 1871A

Pair	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown
5	White/Gray Stripe & Gray
6	Red/Blue Stripe & Blue
7	Red/Orange Stripe & Orange
8	Red/Green Stripe & Green
9	Red/Brown Stripe & Brown
10	Red/Gray Stripe & Gray
11	Black/Blue Stripe & Blue
12	Black/Orange Stripe & Orange
13	Black/Green Stripe & Green

Pair	Color Combination
14	Black/Brown Stripe & Brown
15	Black/Gray Stripe & Gray
16	Yellow/Blue Stripe & Blue
17	Yellow/Orange Stripe & Orange
18	Yellow/Green Stripe & Green
19	Yellow/Brown Stripe & Brown
20	Yellow/Gray Stripe & Gray
21	Purple/Blue Stripe & Blue
22	Purple/Orange Stripe & Orange
23	Purple/Green Stripe & Green
24	Purple/Brown Stripe & Brown
25	Purple/Gray Stripe & Gray

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

IBDN Plus UTP Cable

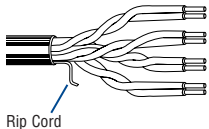
TIA/EIA-568-A, Category 5

Category 5 Nonbonded-pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm									

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket**

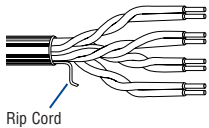
White, Box	24570086	NEC:	4	1000	304.8	10.9	24.0	.186	4.72	9.38	5.0	330	0.772	1.8	64.0	62.2	—	—
Blue, Box	24570036	CMR											1.0	2.0	62.3	60.3	100±15	23.0
		CEC:											4.0	4.1	53.3	49.2	100±15	23.0
		CMR											8.0	5.8	48.8	43.0	100±15	23.0
													10.0	6.5	47.3	40.8	100±15	23.0
													16.0	8.2	44.3	36.0	100±15	23.0
													20.0	9.3	42.8	33.5	100±15	23.0
													25.0	10.4	41.3	30.9	100±15	22.0
													31.25	11.7	39.9	28.2	100±15	21.1
													62.5	17.0	35.4	18.4	100±15	18.1
													100.0	22.0	32.3	10.3	100±15	16.0
													155.0 [▶]	28.1	29.5	1.4	100±15	14.1



Jacket sequentially market at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-A, Category 5

Non-Plenum • Polyolefin Insulation • LSZH Polymer Alloy

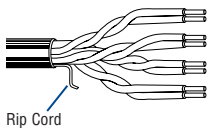
Purple, Box	24570152	NEC:	4	1000	304.8	11.3	25.0	.198	5.03	9.38	5.0	330	0.772	1.8	64.0	62.2	—	—
		CMR											1.0	2.0	62.3	60.3	100±15	23.0
		CEC:											4.0	4.1	53.3	49.2	100±15	23.0
		CMR											8.0	5.8	48.8	43.0	100±15	23.0
													10.0	6.5	47.3	40.8	100±15	23.0
													16.0	8.2	44.3	36.0	100±15	23.0
													20.0	9.3	42.8	33.5	100±15	23.0
													25.0	10.4	41.3	30.9	100±15	22.0
													31.25	11.7	39.9	28.2	100±15	21.1
													62.5	17.0	35.4	18.4	100±15	18.1
													100.0	22.0	32.3	10.3	100±15	16.0
													155.0 [▶]	28.1	29.5	1.4	100±15	14.1



Jacket sequentially market at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-A, Category 5

Plenum • Dual Insulation: Polyolefin/FEP • Low-Smoke PVC Jacket

White, Box	24570700	NEC:	4	1000	304.8	9.98	22.0	.188	4.78	9.38	5.0	330	0.772	1.8	64.0	62.2	—	—
Blue, Box	24570750	CMP											1.0	2.0	62.3	60.3	100±15	23.0
		CEC:											4.0	4.1	53.3	49.2	100±15	23.0
		CMP											8.0	5.8	48.8	43.0	100±15	23.0
													10.0	6.5	47.3	40.8	100±15	23.0
													16.0	8.2	44.3	36.0	100±15	23.0
													20.0	9.3	42.8	33.5	100±15	23.0
													25.0	10.4	41.3	30.9	100±15	22.0
													31.25	11.7	39.9	28.2	100±15	21.1
													62.5	17.0	35.4	18.4	100±15	18.1
													100.0	22.0	32.3	10.3	100±15	16.0
													155.0 [▶]	28.1	29.5	1.4	100±15	14.1



Jacket sequentially market at 2 ft. intervals.
Featuring Descending Length Marking.
Third party verified to TIA/EIA-568-A, Category 5

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

[▶]Values provided for information only.

Color Codes: IBDN Plus

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

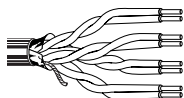
DataTwist® 5 ScTP Cable

TIA/EIA-568-A, Category 5 Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Input Imped. (Ω)	Min. SRL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shield • Drain Wire* • RJ-45 Compatible • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket** (Available in Red, Orange, Yellow, Green, Blue, Purple or Light Gray)

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Input Imped. (Ω)	Min. SRL (dB)
			Ft.	m	Lbs.	kg	Inch	mm								
1624R	NEC:	4	1000	304.8	33.0	15.0	.260	6.60	9.38	3.0	300	1	2.0	62.3	100±15	23.0
	CMR		A-1000	A-304.8	36.0	16.3	4	4.1					53.3	100±15	23.0	
	CEC:		1640†	500.0	54.1	24.7	8	5.8					48.8	100±15	23.0	
	CMR						10	6.5					47.3	100±15	23.0	
							16	8.2					44.3	100±15	23.0	
							20	9.3					42.8	100±15	23.0	
							25	10.4					41.3	100±15	22.0	
							31.25	11.7					39.9	100±15	21.1	
							65.5	17.0					35.4	100±15	18.0	
							100	22.0					32.3	100±15	16.0	



†1640 ft. put-up available in Gray only.

Shield is bonded to jacket inner wall for electrical stability.

Jacket sequentially marked at 2 ft. intervals. • Third party verified to TIA/EIA-568-A, Category 5

Plenum • FEP Teflon® Insulation • Flamarrest® Jacket (Available in Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural)

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Input Imped. (Ω)	Min. SRL (dB)
			Ft.	m	Lbs.	kg	Inch	mm								
1624P	NEC:	4	1000	304.8	32.0	14.5	.230	5.84	9.38	3.0	300	1	2.0	62.3	100±15	23.0
	CMR		A-1000††	A-304.8	35.0	15.9	4	4.1					53.3	100±15	23.0	
	CEC:						8	5.8					48.8	100±15	23.0	
	CMR						10	6.5					47.3	100±15	23.0	
							16	8.2					44.3	100±15	23.0	
							20	9.3					42.8	100±15	23.0	
							25	10.4					41.3	100±15	22.0	
							31.25	11.7					39.9	100±15	21.1	
							65.5	17.0					35.4	100±15	18.0	
							100	22.0					32.3	100±15	16.0	

††A-1000 ft. put-up available in Yellow, Blue, Gray or Natural only.

Shield is bonded to jacket inner wall for electrical stability.

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-A, Category 5

DCR = DC Resistance • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • ScTP = Screened (Overall Foil) Twisted Pair(s)

*Drain wire is 24 AWG stranded tinned copper on 1624R and 24 AWG solid tinned copper on 1624P.

Color Codes: DataTwist 5 ScTP


Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

DataTwist® 5 ScTP Cable

TIA/EIA-568-TSB 36, Category 5 Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. NEXT (dB)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shield • Drain Wire • Rip Cord • See Color Code Chart (below)**Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Gray or Blue)**

	1633A	NEC: CM CEC: CM	4	U-1000	U-304.8	30.0	13.6	.260	6.60	9.38	5.0	330	4	4.1	53.0	100±15	N/A			
				1000	304.8	32.0	14.5								10	6.5	47.0	100±15	N/A	
																16	8.2	44.0	100±15	N/A
																31.25	11.7	40.0	100±15	N/A
																62.5	17.0	35.0	100±15	N/A
																100	22.0	32.0	100±15	N/A


Rip Cord

Not compatible with RJ-11/12/45 connectors.

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-TSB 36, Category 5

Non-Plenum • Dual • Polyolefin Insulation • Gray PVC Jacket with Polarity Rib

	1668A	NEC: CM CEC: CM	2x4	1000	304.8	70.0	31.8	.518	13.16	9.38	5.0	330	4	4.1	53.0	100±15	N/A			
				1640	500.0	109.9	49.9	x	x						10	6.5	47.0	100±15	N/A	
												.254	6.45			16	8.2	44.0	100±15	N/A
																31.25	11.7	40.0	100±15	N/A
																62.5	17.0	35.0	100±15	N/A
																100	22.0	32.0	100±15	N/A

Rip Cord

Not compatible with RJ-11/12/45 connectors.

Jacket sequentially marked at 2 ft. intervals.

Third party verified to TIA/EIA-568-TSB 36, Category 5 (Leg 1 & 2). A polarity rib is applied to one leg.

DCR = DC Resistance • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • ScTP = Screened (Overall Foil) Twisted Pair(s)

Color Codes: DataTwist 5 ScTP

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown